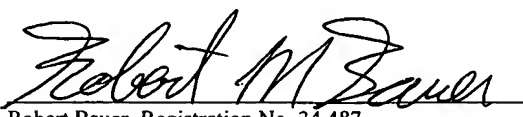


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| COMPUTER GENERATED FORM PTO-1390 U.S. DEPARTMENT OF<br>COMMERCE PATENT AND TRADEMARK OFFICE<br>(REV 12-2001)   |   | ATTORNEY DOCKET NO.<br>6173/1023                   |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED /ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371  |   | U.S. APPLICATION NO. 6173/1023<br><b>10/520383</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/IB2002/002775   | INTERNATIONAL FILING DATE<br>15 July 2002 | PRIORITY DATE<br>CLAIMED                           |
| TITLE OF INVENTION<br>ADAPTIVE PRE-EQUALIZATION METHOD AND APPARATUS   |   |  |
| APPLICANT(S) FOR DO/EO/US<br>Edmund COERSMEIER   |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |  |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6) (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31)</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not transmitted by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11. to 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information. (a) copy of Published PCT Application No. WO 2004/008707 A1 with International Search Report; (b) copy of International Preliminary Examination Report; (c) Return Postcard.</p> |   |  |

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| U.S. APPLICATION NO. <b>10/520383</b><br><small>CFR 1.53</small>  | INTERNATIONAL APPLICATION NO.<br><b>PCT/IB2002/002775</b> | ATTORNEY'S DOCKET NO.<br>6173/1023 |
| 17. <input checked="" type="checkbox"/> The following fees are submitted:<br><b>BASIC NATIONAL FEE ( 37 CFR 1.492(a) (1)-(5) ):</b><br><br>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1,110.00<br><br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$1000.00<br><br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... \$770.00<br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$730.00<br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$100.00   |   | <b>CALCULATIONS PTO USE ONLY</b>   |
| <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>   |   | <b>\$1000</b>                      |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20<br><input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e))  |   | \$                                 |
| Claims  | Number Filed  | Number Extra                       |
| Total claims  | 15  | 0                                  |
| Independent claims  | 2   | 0                                  |
| MULTIPLE DEPENDENT CLAIMED (if applicable)  |   | + \$300.00                         |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |   | <b>\$</b>                          |
| <input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. The fees indicated above are reduced by 1/2.   |   | \$                                 |
| <b>SUBTOTAL =</b>   |   | <b>\$1000</b>                      |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20<br><input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f))  |   | \$                                 |
| <b>TOTAL NATIONAL FEE =</b>   |   | <b>\$1000</b>                      |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |   | \$40                               |
| <b>TOTAL FEES ENCLOSED =</b>  |   | <b>\$1040</b>                      |
|   |   | Amount to be Refunded              |
|   |   | Charged                            |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of <b>\$1040</b> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <b>02-4270</b> in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>02-4270</b>. A duplicate copy of this sheet is enclosed.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:<br/>         Robert M. Bauer, Esq.<br/>         Brown Raysman Millstein Felder &amp; Steiner LLP<br/>         900 Third Avenue<br/>         New York, New York 10022<br/>         Tel. (212) 895-2000<br/>         Fax (212) 895-2900</p> <div style="text-align: right; margin-top: 20px;"> <br/>         Robert Bauer, Registration No. 34,487       </div> |   |                                    |